

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L19 and ((branch adj polymer) or (side adj chain))	12

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L21

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Thursday, May 15, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L21</u>	L19 and ((branch adj polymer) or (side adj chain))	12	<u>L21</u>
<u>L20</u>	L19 and ((grafted adj fluoroalkyl) or (graft adj copolymer) or (copolymerizable adj monomer))	17	<u>L20</u>
<u>L19</u>	L18 and ((backbone adj polymer) or (trunk adj polymer) or (backbone adj chain) or (trunk adj chain))	39	<u>L19</u>
<u>L18</u>	L17 and (acrylate or methacrylate)	946	<u>L18</u>
<u>L17</u>	(reactive adj isocyanate adj group)	2366	<u>L17</u>
<u>L16</u>	(oil-repellent) or (oil-repellency)	2128	<u>L16</u>
<u>L15</u>	US20020189023A1	1	<u>L15</u>
<u>L14</u>	L13 and fluoroalkyl	6	<u>L14</u>
<u>L13</u>	L12 and grafted	889	<u>L13</u>
<u>L12</u>	((unsaturated adj monomer) and (isocyanate adj group)) or ((unsaturated adj monomer) and (amide adj group))	5070	<u>L12</u>
<u>L11</u>	L9 and ((branch adj polymer) or (side adj polymer))	6	<u>L11</u>
<u>L10</u>	L9 and fluoroalkyl	1	<u>L10</u>
<u>L9</u>	L8 and grafted	46	<u>L9</u>
<u>L8</u>	L1 and (macromonomer or backbone or oligomer or (trunk adj polymer) or (substract adj polymer))	173	<u>L8</u>
<u>L7</u>	L6 and L1	1	<u>L7</u>
<u>L6</u>	L5 and grafted	539	<u>L6</u>
<u>L5</u>	fluoroalkyl	15243	<u>L5</u>
<u>L4</u>	L3 and fluoroalkyl	0	<u>L4</u>
<u>L3</u>	L2 and grafted	5	<u>L3</u>
<u>L2</u>	L1 and macromonomer	17	<u>L2</u>
<u>L1</u>	vinyl adj isocyanate	539	<u>L1</u>

END OF SEARCH HISTORY

Set Name Query
side by side**Hit Count Set Name**
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L28</u>	3632391	15	<u>L28</u>
<u>L27</u>	L24 and ((\$25/\$)!.CCLS.)	92	<u>L27</u>
<u>L26</u>	L24 and fluoroalkyl	1	<u>L26</u>
<u>L25</u>	L24 and L16	0	<u>L25</u>
<u>L24</u>	L23 and ((side adj chain) or (branch adj chain) or (branch adj polymer adj chain) or (branch adj polymer) or (side adj chain adj polymer))	170	<u>L24</u>
<u>L23</u>	L22 and grafted	379	<u>L23</u>
<u>L22</u>	L12 and ((backbone adj polymer) or backbone)	1228	<u>L22</u>
<u>L21</u>	L19 and ((branch adj polymer) or (side adj chain))	12	<u>L21</u>
<u>L20</u>	L19 and ((grafted adj fluoroalkyl) or (graft adj copolymer) or (copolymerizable adj monomer))	17	<u>L20</u>
<u>L19</u>	L18 and ((backbone adj polymer) or (trunk adj polymer) or (backbone adj chain) or (trunk adj chain))	39	<u>L19</u>
<u>L18</u>	L17 and (acrylate or methacrylate)	946	<u>L18</u>
<u>L17</u>	(reactive adj isocyanate adj group)	2366	<u>L17</u>
<u>L16</u>	(oil-repellent) or (oil-repellency)	2128	<u>L16</u>
<u>L15</u>	US20020189023A1	1	<u>L15</u>
<u>L14</u>	L13 and fluoroalkyl	6	<u>L14</u>
<u>L13</u>	L12 and grafted	889	<u>L13</u>
<u>L12</u>	((unsaturated adj monomer) and (isocyanate adj group)) or ((unsaturated adj monomer) and (amide adj group))	5070	<u>L12</u>
<u>L11</u>	L9 and ((branch adj polymer) or (side adj polymer))	6	<u>L11</u>
<u>L10</u>	L9 and fluoroalkyl	1	<u>L10</u>
<u>L9</u>	L8 and grafted	46	<u>L9</u>
<u>L8</u>	L1 and (macromonomer or backbone or oligomer or (trunk adj polymer) or (substract adj polymer))	173	<u>L8</u>
<u>L7</u>	L6 and L1	1	<u>L7</u>
<u>L6</u>	L5 and grafted	539	<u>L6</u>
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<u>L4</u>	L3 and fluoroalkyl	0	<u>L4</u>
<u>L3</u>	L2 and grafted	5	<u>L3</u>
<u>L2</u>	L1 and macromonomer	17	<u>L2</u>
<u>L1</u>	vinyl adj isocyanate	539	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 15 of 15 returned.

☐ 1. Document ID: US 6492012 B1

L28: Entry 1 of 15

File: USPT

Dec 10, 2002

US-PAT-NO: 6492012

DOCUMENT-IDENTIFIER: US 6492012 B1

TITLE: Polymer penetrated porous substrates

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shah; Tilak M.	Cary	NC	27511	

US-CL-CURRENT: 428/304.4; 156/182, 428/306.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

[KIMC](#) [Draw Desc](#)☐ 2. Document ID: US 6300409 B1

L28: Entry 2 of 15

File: USPT

Oct 9, 2001

US-PAT-NO: 6300409

DOCUMENT-IDENTIFIER: US 6300409 B1

TITLE: Polymer compositions

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lau; Willie	Ambler	PA		
Finley; Maureen Joanne	Churchville	PA		
Williams; Martin Marion	Harrisburg	NC		
Morris; Hal Conley	Abington	PA		

US-CL-CURRENT: 524/555; 524/556, 524/560, 524/561, 524/831, 524/832, 524/833

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

[KIMC](#) [Draw Desc](#)☐ 3. Document ID: US 6191244 B1

L28: Entry 3 of 15

File: USPT

Feb 20, 2001

US-PAT-NO: 6191244

DOCUMENT-IDENTIFIER: US 6191244 B1

TITLE: Polymer compositions

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lau; Willie	Ambler	PA		
Finley; Maureen Joanne	Churchville	PA		
Williams; Martin Marion	Harrisburg	NC		
Morris; Hal Conley	Abington	PA		

US-CL-CURRENT: 526/328.5; 428/375, 428/378, 428/511, 442/152, 442/164, 442/83,
526/303.1, 526/304, 526/318.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 4. Document ID: US 5856246 A

L28: Entry 4 of 15

File: USPT

Jan 5, 1999

US-PAT-NO: 5856246

DOCUMENT-IDENTIFIER: US 5856246 A

TITLE: Permanent hydrophobic and oleophobic modification for polymer surfaces and process of making same

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Witzko; Richard	83512 Wasserburg			DE
Burger; Wolfgang	81825 Munchen			DE
Petzold; Gudrun	01257 Dresden			DE
Lunkwitz; Klaus	01187 Dresden			DE
Buchhammer; Heide-Marie	01237 Dresden			DE

US-CL-CURRENT: 442/88; 428/375, 428/378, 428/409, 428/420, 442/89, 442/92, 8/115.56,
8/115.65, 8/115.66, 8/181, 8/196

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 5. Document ID: US 5837370 A

L28: Entry 5 of 15

File: USPT

Nov 17, 1998

US-PAT-NO: 5837370

DOCUMENT-IDENTIFIER: US 5837370 A

TITLE: Fabrics of wool and/or polyester fibers

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aneja; Arun Pal	Greenville	NC		

US-CL-CURRENT: 428/359; 428/397, 428/400, 428/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 6. Document ID: US 5346726 A

L28: Entry 6 of 15

File: USPT

Sep 13, 1994

US-PAT-NO: 5346726

DOCUMENT-IDENTIFIER: US 5346726 A

TITLE: Maleic anhydride/vinyl or allyl ether polymer stain-resists

DATE-ISSUED: September 13, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pechhold; Engelbert	Chadds Ford	PA		

US-CL-CURRENT: 427/393.4; 8/115.62, 8/115.63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 7. Document ID: US 5296269 A

L28: Entry 7 of 15

File: USPT

Mar 22, 1994

US-PAT-NO: 5296269

DOCUMENT-IDENTIFIER: US 5296269 A

TITLE: Process for increasing the crease resistance of silk textiles

DATE-ISSUED: March 22, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yang; Yiqi	Urbana	IL		
Li; Shiqi	Urbana	IL		

US-CL-CURRENT: 427/393.2; 139/1R, 139/420R, 28/166, 427/381, 8/128.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 8. Document ID: US 5175025 A

L28: Entry 8 of 15

File: USPT

Dec 29, 1992

US-PAT-NO: 5175025

DOCUMENT-IDENTIFIER: US 5175025 A

TITLE: Sizing agent for carbonizable fiber and a method for manufacturing carbon fiber with the use of the sizing agent

DATE-ISSUED: December 29, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asano; Hiroyoshi	Nagaokakyo-city, Kyoto			JP

US-CL-CURRENT: 427/227; 427/228, 427/385.5, 427/389.9, 427/421, 427/434.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 9. Document ID: US 5143729 A

L28: Entry 9 of 15

File: USPT

Sep 1, 1992

US-PAT-NO: 5143729

DOCUMENT-IDENTIFIER: US 5143729 A

TITLE: Fade resistant water and soil repellent composition for fabric

DATE-ISSUED: September 1, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Peter B.	Blagdon Bristol			GB2

US-CL-CURRENT: 252/8.62; 252/8.61, 252/8.91, 424/402, 424/45, 427/385.5, 427/389.9, 427/393.4, 524/336, 524/337, 524/338, 524/544, 524/545, 524/546, 524/560, 524/562, 524/91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 10. Document ID: US 5093155 A

L28: Entry 10 of 15

File: USPT

Mar 3, 1992

US-PAT-NO: 5093155

DOCUMENT-IDENTIFIER: US 5093155 A

TITLE: Process for sizing reinforcing fiber by applying sulfone compounds containing sulfonyl groups and sized reinforcing fibers obtained thereby

DATE-ISSUED: March 3, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miyazaki; Makoto	Sakato			JP
Wakoh; Yoshio	Iruma			JP
Inoue; Hiroshi	Iruma			JP

US-CL-CURRENT: 427/177; 427/178, 427/366, 427/367, 427/375, 427/385.5, 427/388.4,
427/388.5, 427/389.8, 427/392, 428/379

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

☐ 11. Document ID: US 4401688 A

L28: Entry 11 of 15

File: USPT

Aug 30, 1983

US-PAT-NO: 4401688

DOCUMENT-IDENTIFIER: US 4401688 A

TITLE: Imparting permanent press characteristics

DATE-ISSUED: August 30, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garnett; John L.	Longueville			AU
Schwarz; Thomas	Rose Bay			AU
Fletcher; Grant	Maroubra			AU

US-CL-CURRENT: 427/501; 427/370, 427/393.2, 427/504, 427/510, 427/513

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

☐ 12. Document ID: US 3950218 A

L28: Entry 12 of 15

File: USPT

Apr 13, 1976

US-PAT-NO: 3950218

DOCUMENT-IDENTIFIER: US 3950218 A

**** See image for Certificate of Correction ****

TITLE: Method of manufacturing stabilized fluffy batts of fibers and resulting product therefrom

DATE-ISSUED: April 13, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levesque; Yvon George	Montreal			CA

US-CL-CURRENT: 162/201; 162/183, 162/184, 264/121

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 13. Document ID: US 3632391 A

L28: Entry 13 of 15

File: USPT

Jan 4, 1972

US-PAT-NO: 3632391DOCUMENT-IDENTIFIER: US 3632391 A

TITLE: TREATMENT OF TEXTILE MATERIALS

DATE-ISSUED: January 4, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Whitfield; Robert E.	Pleasant Hill	CA		
Pittman; Allen G.	El Cerrito	CA		
Wasley; William L.	Berkeley	CA		

US-CL-CURRENT: 442/63; 427/393.2, 427/393.4, 428/378, 442/102, 442/106, 442/152

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 14. Document ID: DE 3730694 A

L28: Entry 14 of 15

File: DWPI

Mar 31, 1988

DERWENT-ACC-NO: 1988-092799

DERWENT-WEEK: 198814

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TITLE: Load control valve for exchange column tray aperture - has disc in legged triangular cage formed from flat sheet

INVENTOR: RODL, R

PRIORITY-DATA: 1986DE-3632391 (September 24, 1986), 1987DE-3730694 (September 12, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3730694 A	March 31, 1988		008	

INT-CL (IPC): B01D 3/00; B01D 53/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 15. Document ID: US 3632391 A

L28: Entry 15 of 15

File: DWPI

DERWENT-ACC-NO: 1972-09091T

DERWENT-WEEK: 197206

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TITLE: Cross-linking polymers in situ in textiles by interfacial reaction -- with cross-linking agent

PRIORITY-DATA: 1969US-0805379 (March 7, 1969), 1964US-0371150 (May 28, 1964), 1967US-0655695 (May 12, 1967)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 3632391 A

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INT-CL (IPC): B44D 1/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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